

Appl. No. 09/466,996
Amdt. Dated 12/19/2003
Reply to Office Action of 08/13/2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (currently amended) A method for recording program content of a transmission, comprising:

receiving program information for a program selected for recording;

generating a title frame for the program, the title frame including one of customized information and the received program information; and

recording the title frame prior to recording the program content.

2. (Original) The method as set forth in claim 1 further comprising a user selecting a title frame recording option such that if the title frame recording option is not selected, a title frame is not generated and recorded.

3. (Original) The method as set forth in claim 1, wherein receiving program information is selected from a group comprising receiving program title, receiving program start time, receiving program time length, receiving program genre, receiving program subcategory, receiving program rating, receiving names of actors and actresses, and receiving program description.

4. (Original) The method as set forth in claim 1 wherein generating a title frame for the program comprises selecting a graphic treatment for the title frame.

5. (Original) The method as set forth in claim 4 wherein selecting a graphic treatment further comprising selecting a graphic treatment corresponding to genre information of the program content.

6. (Original) The method as set forth in claim 1 further comprising placing the program information in the title frame.

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7. (currently amended) The A method for recording program content of a transmission as set forth in claim 6 comprising:

receiving program information for a program selected for recording;

generating a title frame for the program, the title frame including one of customized information and the received program information; and

recording the title frame prior to recording the program content; and

placing the program information in the title frame, wherein placing the program information in the title frame comprises determining if the user selects to customize customized information in the title frame;

placing customized program information in the title frame if the user selects to customize the title frame; and

placing the received program information in the title frame corresponding to a default setup if the user does not select to customize the title frame.

8. (Currently Amended) The method as set forth in claim 7 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment. comprises a modified program description from the received program description.

9. (Original) The method as set forth in claim 8 further comprising:

placing an image in the title frame; and

assigning marquee graphics to recognized keywords in the title frame.

10. (Original) The method as set forth in claim 9, wherein the image is selected from a group comprising an image of a movie poster, an image of an actor or actress in the program, and a program logo.

11. (Original) The method as set forth in claim 9, wherein the recognized keywords are selected from the group comprising the names of actors and actresses, the program rating, and the program time length.

12. (Original) The method as set forth in claim 1 further comprising using a default title frame when no content information is available for the program.

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13. (Currently Amended) A method for automatically generating a title frame when a user records program content available through a transmission, the method comprising:

receiving program information for a program to be broadcasted;

extracting content data from the program information;

selecting a graphic treatment for a the title frame based on the content data;

generating the title frame using the program information and the selected graphic treatment; and

recording the title frame.

14. (Original) The method as set forth in claim 13 further comprising a user selecting an automatic title frame recording option, the automatic title frame recording option indicating a title frame relating to the program content is to be generated automatically.

15. (Currently Amended) The method as set forth in claim 13, wherein the content data is a categorization of the program content.

16. (Currently Amended) The A method as set forth in claim 13 for automatically generating a title frame when a user records program content available through a transmission comprising:

receiving program information for a program to be broadcasted;

extracting content data from the program information;

selecting a graphic treatment for the title frame based on the content data,
wherein selecting a graphic treatment comprises selecting a graphic from a plurality of graphics, each graphic corresponding to the respective content data;

generating the title frame using the program information and the selected graphic treatment; and

recording the title frame.

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17. (Currently Amended) The A method as set forth in claim 13, automatically generating a title frame when a user records program content available through a transmission comprising: wherein:

receiving program information for a program to be broadcasted;

extracting content data from the program information;

selecting a graphic treatment for the title frame based on the content data;

generating the title frame using the program information and the selected graphic treatment, generating the title frame using the program information comprising placing the program information and the selected graphic treatment in the title frame;
and

recording the title frame.

18. (Original) The method as set forth in claim 17 wherein placing program information comprises superimposing the selected program information over the selected graphic treatment.

19. (Currently Amended) An apparatus comprising:

a memory;

an input device configured to receive transmissions of program content and program information; and

a processor coupled to the memory and the input device, the processor configured to control generation of a title frame for a program to be recorded and recording of the title frame prior to recording of the program content, the title frame including one of customized information and the received program information.

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20. (Currently Amended) An The apparatus comprising: as set forth in claim 19 wherein the memory

a memory configured to store graphic treatments to be placed in a title frame;

an input device configured to receive transmissions of program content and program information; and

a processor coupled to the memory and the input device, the processor configured to control generation of a title frame for a program to be recorded and recording of the title frame prior to recording of the program content, the title frame including one of customized information and the received program information.

21. (Original) The apparatus as set forth in claim 19 wherein the processor is further configured to select a graphic treatment to use in the title frame.

22. (Original) The apparatus as set forth in claim 21 wherein the graphic treatment is selected based upon content data, the content data being transmitted with the program information.

23. (Original) The apparatus as set forth in claim 21 wherein the program information is used to generate description in the title frame.

24. (Currently Amended) An apparatus comprising:

a memory;

an input, the input configured to receive transmissions of program information, and program content; and

a processor coupled to the memory and the input, the processor configured to[;] select a graphic treatment for a title frame based upon the content data, extract information from the program information to be used in the title frame, generate the title frame using the selected graphic treatment and the extracted information[;], and control the recording of the title frame prior to recording of the program content.

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25. (Original) An apparatus for generating title frame recording comprising:

means for receiving program information for a program to be recorded;

means for extracting content data from the program information;

means for selecting graphic treatment corresponding to the content data; means for generating a title frame using the program information and the selected graphic treatment; and

means for controlling the recording of the title frame before recording program content.

26. (Original) The apparatus as set forth in claim 25 further comprising input means for accepting a user's command to activate a title frame recording option.

27. (currently amended) An The apparatus for generating title frame recording comprising: as set forth in claim 25 further comprising

means for receiving program information for a program to be recorded;

means for extracting content data from the program information;

means for selecting graphic treatment corresponding to the content data; means for generating a title frame using the program information and the selected graphic treatment;

means for controlling the recording of the title frame before recording program content; and

means for connecting to an external input device, the external input device allowing a user to customize the title frame.

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28. (currently amended) An apparatus comprising:

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means for receiving a transmitted program including program information and program content;

means for generating a title frame for the program using the program information, the title frame including one of customized information and the received program information; and

means for recording the generated title frame and the program content.

29. (Original) The apparatus as set forth in claim 28 further include means for selecting a graphic treatment for the title frame, the graphic treatment being selected based on content data of the transmitted program.

30. (Original) The apparatus as set forth in claim 28 wherein means for generating a title frame comprises means for incorporating the selected graphic treatment into the title frame and means for extracting information from the program information and using the extracted information to generate information in the title frame.

31. (currently amended) A computer readable medium comprising instructions which when executed by a processing system, perform ~~steps~~ operations to record a program content comprising:

receiving program information and content data for a program selected for recording;

generating a title frame for the program, the title frame including one of customized information and the received program information; and

recording the title frame prior to recording the program content.

32. (Original) The computer readable medium as set forth in claim 31 further comprising a user selecting a title frame recording option such that if the title frame recording option is not selected, a title frame is not generated and recorded.

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33. (Currently Amended) A The computer readable medium comprising instructions which when executed by a processing system, perform operations to record a program content comprising: as set forth in claim 31 further comprising:

receiving program information and content data for a program selected for recording;

generating a title frame for the program, the title frame including one of customized information and the received program information;

recording the title frame prior to recording the program content;

determining if the user selects to customize information in the title frame;

placing customized program information in the title frame if the user selects to customize the title frame; and

placing the received program information in the title frame corresponding to a default setup if the user does not select to customize the title frame.

34. (Original) The computer readable medium as set forth in claim 33 wherein generating a title frame for the program comprises selecting a graphic treatment for the title frame and placing the program information in the title frame.

35. (currently amended) A computer readable medium comprising instructions, which when executed by a processing system, perform steps operations to record a program content comprising:

receiving program information and content data for a program selected for recording;

selecting a graphic treatment for a title frame for the program, the graphic treatment being selected based upon the content data;

generating a title frame for the program using the selected graphic treatment and the program information; and

recording the title frame prior to recording the program content.

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36. (Original) The computer readable medium as set forth in claim 35 further comprising a user selecting an automatic title frame recording option, the automatic title frame recording option indicating a title frame relating to the program content is to be generated automatically.

37. (Currently Amended) A The computer readable medium comprising instructions, which when executed by a processing system, perform operations to record a program content comprising: as set forth in claim 35,

receiving program information and content data for a program selected for recording;

selecting a graphic treatment for a title frame for the program, the graphic treatment being selected based upon the content data, wherein selecting a graphic treatment comprises selecting a graphic from a plurality of graphics, each graphic corresponding to the respective content data;

generating a title frame for the program using the selected graphic treatment and the program information; and

recording the title frame prior to recording the program content.

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38. (Original) The computer readable medium as set forth in claim 35, wherein generating the title frame using the program information comprises placing the program information and the selected graphic treatment in the title frame.
 39. (New) The method as set forth in claim 1 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
 40. (New) The apparatus as set forth in claim 19 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
 41. (New) The apparatus as set forth in claim 20 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
 42. (New) The apparatus as set forth in claim 28 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
 43. (New) The computer readable medium as set forth in claim 31 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
 44. (New) The computer readable medium as set forth in claim 33 wherein the customized program information is one of an extracted program description, a user's program description, and a selected graphic treatment.
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